

Conversion Tables

Table No. 5

To Convert From	To	Multiply By
BTU	Foot-pounds	777.5
BTU	Kg.- Meters	107.5
BTU	Kilowatt - hrs	2.928×10^{-4}
BTU/Min	Foot - Lbs./Sec	12.96
BTU/Min	Horsepower	0.02356
BTU/Min	Watts	17.57
Centimeters	Inches	0.3937
Centimeters	Meters	0.01
Centimeters	Millimeters	10
Centimeters/Sec	Feet/Sec	0.03281
Cycles/Min	Cycles/Hr	60
Cycles/Min	Cycles/Day (8 hr)	480
Cycles/Min	Cycles/Day (24 hr)	1440
Degrees/Sec	Revolutions/Min	0.1667
Dyne-Centimeters	Inch-pounds	8.85×10^{-7}
Feet	Meters	0.3048
Feet/Sec	Centimeters/Sec	30.48
Foot Pounds/Min	BTU/Min	1.286×10^{-3}
Foot Pounds/Min	Horsepower	3.030×10^{-5}
Foot Pounds/Min	Kg. Calories/Min	3.241×10^{-4}
Gallons	Cubic Inches	231
Gallons-U.S.	Imperial Gallons	0.83267
Gallons Water	Pounds of water	8.3453
Horsepower	BTU/Min	42.44
Horsepower	Foot-Lbs/Min	33,000
Horsepower	Foot-Lbs/Sec	550
Horsepower	Horsepower (Metric)	1.014
Horsepower (Metric)	Kg. Meters/Min	4500
Horsepower	Kilowatts	0.7457
Horsepower-Hours	BTU	2547
Horsepower-Hours	Foot-Lbs	1.98×10^{-6}
Inches	Centimeters	2.540
Inches of Mercury	Lbs./Sq. Inch	0.4912
Inches of Water	Lbs./Sq. Inch	0.03613
Kilograms	Dynes	980,665
Kilograms	Pounds	2,205
Kilograms-Calories	BTU	3.968
Kilograms-Calories	Foot-Lbs	3,086
Kilograms-Calories/Min	Foot-Lbs/Sec	51.43
Kilogram-Meters	Pound-Inches	.6026
Kilogram-Meters	Pound-Feet	7.231
Kilogram-Meters ²	Pound-Inches ²	3.4177×10^{-3}
Kilogram-Meters ²	Pound-Feet ²	2.3737×10^{-1}
Kilometers	Centimeters	10^5
Kilometers	Feet	3281
Kilowatts	BTU/Min	56.92
Kilowatts	Foot-Lbs/Min	4.425×10^4
Kilowatts	Horsepower	1.341
Kilowatt-Hours	BTU	3415
Kilowatt-Hours	Foot-Lbs.	2.655×10^6

To Convert From	To	Multiply By
Liters	Cubic Centimeters	10^{-3}
Liters	Cubic Feet	0.03531
Liters	Gallons	0.2642
Meters	Feet	3.281
Meters	Inches	39.37
Microns	Inches	3.937×10^{-5}
Millimeters	Centimeters	0.1
Millimeters	Inches	0.03937
Newton Meters	Pound-Inches	8.850
Ounces	Pounds	0.0625
Ounces	Grams	28.35
Pounds	Ounces	16
Pounds	Grams	28.35
Pounds of Water	Gallons	0.1198
Pounds of Water/Min.	Cubic Ft/Sec	2.670×10^{-4}
Pound-Feet	Kg.-Meters	0.1383
Pound-Inches	Kg.-Centimeters	1.152
Pound-Inches	Newton Meters	0.1130
Pound-Inches	Kg.-Meters	1.6596
Pound-In ²	Kg.-m ²	2.926×10^{-4}
Pound-Ft ²	Kg.-m ²	0.04214
Pound-Ft ²	Kg.-cm ²	421.4
Pound-In ²	Kg.-cm ²	2.926
Pound/In ²	Atmospheres	0.06804
Pound/In ²	Feet of Water	2.307
Pound/In ²	Inches of Mercury	2.036
Radians	Degrees	57.30
Radians/Sec.	Degrees/Sec.	6
Radians/Sec.	Revolutions/Min.	9.549
Radians/Sec./Sec.	Revolutions/Sec./Sec.	0.1592
Revolutions	Radians	6.283
Revolutions/Min.	Degrees/Sec.	6
Revolutions/Min	Radians/Sec.	0.1047
Square Centimeters	Square Inches	0.1550
Square Feet	Square Centimeters	929.0
Square Feet	Square Inches	144
Square Inches	Square Millimeters	645.2
Temp. (°C) + 273	Abs. Temp. (°K)	1
Temp. (°C) + 17.78	Temp (°F)	1.8
Temp. (°F) + 460	Abs. Temp. (°R)	1
Temp. (°F) -32	Temp. (°C)	5/9
Tons (Long)	Pounds	2240
Tons (Metric)	Kilograms	10^3
Tons (Metric)	Pounds	2205
Tons (Short)	Pounds	2000
Tons (Short)	Tons (Metric)	0.90718
Watts	BTU/Min.	0.05692
Watts	Foot-Lbs./Min.	44.26
Watts	Horsepower	1.341×10^{-3}